

Atty. Dkt. No. 065691-0433

10/566358

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Dominique BOUREL et al

Title: USE OF ADCC-OPTIMIZED ANTIBODIES FOR TREATING
WEAK PATIENTS

Int'l. Appl. No.: PCT/FR2004/002057

Int'l. Filing Date: 7/30/2004

Examiner: Unassigned

Art Unit: Unassigned

INFORMATION DISCLOSURE STATEMENT
UNDER 37 CFR §1.56

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Submitted herewith on Form PTO/SB/08 is a listing of documents known to Applicants in order to comply with Applicants' duty of disclosure pursuant to 37 CFR §1.56.

The submission of any document herewith, which is not a statutory bar, is not intended as an admission that such document constitutes prior art against the claims of the present application or that such document is considered material to patentability as defined in 37 CFR §1.56(b). Applicants do not waive any rights to take any action which would be appropriate to antedate or otherwise remove as a competent reference any document which is determined to be a *prima facie* art reference against the claims of the present application.

TIMING OF THE DISCLOSURE

The listed documents are being submitted in compliance with 37 CFR §1.97(b), within three (3) months of the filing date of the application.

1AP5 Rec'd PCT/PTO 30 JAN 2006
RELEVANCE OF EACH DOCUMENT

The documents being cited in the attached PTO/SB/08 were cited as being relevant during the prosecution of the corresponding international application. A copy of the International Search Report is attached setting forth the portion of the documents considered relevant by the examiner. A copy of the cited references listed in the Search Report are not being submitted herewith.

Applicants respectfully request that each listed document be considered by the Examiner and be made of record in the present application and that an initialed copy of Form PTO/SB/08 be returned in accordance with MPEP §609.

The Commissioner is hereby authorized to charge any additional fees which may be required regarding this application under 37 CFR §§ 1.16-1.17, or credit any overpayment, to Deposit Account No. 19-0741. Should no proper payment be enclosed herewith, as by a check being in the wrong amount, unsigned, post-dated, otherwise improper or informal or even entirely missing, the Commissioner is authorized to charge the unpaid amount to Deposit Account No. 19-0741.

Respectfully submitted,

Date Jan. 30, 2006

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Substitute for form 1449B/PTO

INFORMATION DISCLOSURE
STATEMENT BY APPLICANT

Date Submitted: January 30, 2006

(use as many sheets as necessary)

Sheet

1

of

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Complete if Known

Application Number	Unassigned
Filing Date	January 30, 2006
First Named Inventor	Dominique BOUREL
Group Art Unit	Unassigned
Examiner Name	Unassigned

10/566358

Attorney Docket Number

065691-0433

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Documents	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Office ³	Number ⁴	Kind Code ⁵ (if known)				
	A1	WO	01/77181	A1	ARNAUD GLACET et al.	10/18/2001		
	A2	EP	0 576 093	A1	ASSOCIATION POUR L'ESSOR DE LA TRANSFUSION SANGUINE DANS LA REGION DU	12/29/1993		

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ⁶
	A3	B M KUMPEL et al., "Clearance of red cells by monoclonal IgG3 anti-D in vivo is affected by the VF polymorphism of FcgammaRIIIa (CD16)", Clinical & Experimental Immunology, vol. 132, no. 1, April 2003, pp. 81-86.	
	A4	T. SHINKAWA et al., "The absence of fucose but not the presence of galactose or bisecting N-acetylglucosamine of human IgG1 complex-type oligosaccharides shows the critical role of enhancing antibody-dependent cellular cytotoxicity", Journal of Biological Chemistry, vol. 278, no. 5, January 31, 2003, pp. 3466-3473.	
	A5	P. UMANA et al., "ENGINEERED GLYCOFORMS OF AN ANTI NEUROBLASTOMA IgG1 WITH OPTIMIZED ANTIBODY-DEPENDENT CELLULAR CYTOTOXIC ACTIVITY", NATURE BIOTECHNOLOGY, vol. 17, February 1999, pp. 176-180.	
	A6	R L SHIELDS et al., "Lack of fucose on human IgG1 N-linked oligosaccharide improves binding to human FcgammaRIII and antibody-dependent cellular toxicity", Journal of Biological Chemistry, vol. 277, no. 30, July 26, 2002, pp. 26733-26740.	
	A7	Guillaume CARTRON et al., "Therapeutic activity of humanized anti-CD20 monoclonal antibody and polymorphism in IgG Fc receptor FcgammaRIIIa gene", BLOOD, vol. 98, no. 11, Part 1, November 16, 2001, page 602a.	
	A8	J.S. CROWE et al., "HUMANIZED MONOCLONAL ANTIBODY CAMPATH-1H MYELOMA CELL EXPRESSION OF GENOMIC CONSTRUCTS NUCLEOTIDE SEQUENCE OF CDNA CONSTRUCTS AND COMPARISON OF EFFECTOR MECHANISMS OF MYELOMA AND CHINESE HAMSTER OVARY CELL DERIVED MATERIAL", Clinical and Experimental Immunology, vol. 87, no. 1, 1992, pp. 105-110.	
	A9	M.R. LIFELY et al., "Glycosylation and biological-activity of CAMPATH-1H expressed in different cell-lines and grown under different culture conditions", GLYCOBIOLOGY, vol. 5, no. 8, December 1995, pp. 813-822.	

Examiner Signature

Date Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ²See attached Kinds of U.S. Patent Documents. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document.⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

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